WHAT IS CLAIMED IS:

1. A rotary weight filler comprising a plurality of
filling means which are disposed along the outer periphery of a
revolving body at an equal circumferential spacing, a filling
valve for opening or closing a filled liquid passage which is
formed in each of the filling means, a plurality of weight
measuring means mounted on the revolving body in a manner
corresponding to the filling means, and control means for
controlling the opening or closing of a corresponding filling
valve in response to a signal from the weight measuring means,
thereby filling a given quantity of liquid into a vessel
supplied;

wherein the operation is selectively changed between a
first operational mode where a filling operation takes place
after measuring the tare of the vessel and a second operational
mode where a filling operation takes place without measuring the
tare of a vessel, and whenever the second operational mode is
selected, the value of the tare which is measured during the
first operational mode is regarded as the tare of a vessel
supplied during the second operational mode and the filling
operation is initiated at a point upstream of a point where the
filling operation is initiated during the first operational
mode.

2. A rotary weight filler according to Claim 1 in which

the operation is initiated in the first operational mode, and after a reference value which is calculated from the measured tare is regarded as representing the tare of the vessel for purpose of the filling operation, the operation is switched to the second operational mode, and after a given time interval, the filler is again operated in the first operational mode to recalculate the reference value for the tare.

3. A rotary weight filler according to Claim 2 in which the reference value for the tare is a mean value of measured values.

4. A rotary weight filler according to Claim 2 in which the reference value of the tare is one of the measured values which appears with a highest frequency.

5. A rotary weight filler according to Claim 2 in which the reference value for the tare is a median value in a queue of measured values arranged in an ascending or descending order.

6. A rotary weight filler according to Claim 1 in which in the first operational mode, the tare of the vessel is measured after the attitude of a vessel supplied has become stabilized and after the weight measuring means has become stabilized.

7. A rotary weight filler according to Claim 1 in which in the second operational mode, a fill initiate command signal is delivered to initiate a filling operation after the attitude of a vessel supplied has become stabilized.

8. A rotary weight filler according to Claim 1 in which in the second operational mode, a fill initiate command signal is delivered before the attitude of the vessel supplied becomes stabilized, and the filling operation is initiated after the attitude of the vessel has become stabilized.